

3XXX Pol Tube Antenna 3×698-960/6×1710-2690MHz 65°/65° 14.0/17.0dBi 0°-10°/0°-10°
Replaceable RET
Electrical Specifications

Frequency Range (MHz):	3×698-960(R1)				6×1710-2690 (Y1,Y2)			
	698-803	790-862	824-894	880-960	1710 -1990	1920 -2200	2200 -2490	2490 -2690
Gain (dBi),	13.0±0.5	13.3±0.5	13.6±0.5	14.0±0.5	16.3±0.5	16.7±0.5	17.3±0.5	17.5±0.5
Return Loss (dB):	>14 (VSWR<1.5)							
Polarization (°):	±45							
Horizontal 3dB Beamwidth (°):	74±7	72±6	72±6	71±5	68±6	66±6	62±5	58±5
Vertical 3dB Beamwidth (°),	16.5±1.8	15.5±1.7	14.5±1.6	13.5±1.5	7.0±0.6	6.5±0.6	5.5±0.6	5.2±0.6
Electrical Downtilt (°):	0-10				0-10			
Downtilt Accuracy(°):	≤1.2				≤1.0			
RET Type:	Cascade SRET, AISG 2.0, Upgradeable							
1 st Upper Sidelobe Suppression (dB):	≥15	≥15	≥15	≥15	≥15	≥15	≥15	≥15
Front to Back Ratio 180±30 ⁰ (dB):	≥23	≥24	≥25	≥25	≥25	≥25	≥25	≥25
Cross Polar Ratio 0° (dB)	≥15	≥15	≥15	≥15	≥15	≥15	≥15	≥15
Intraband Isolation (dB):	≥25				≥25			
Interband Isolation (dB):	≥28							
Max. Power Per Port (W):	250				200			
Intermodulation IM3 (dBc):	<-153 (2×43 dBm)							
Impedance (ohm):	50							
Lightning Protection:	DC Grounded							
Connector Type:	18×4.3-10 Female							

BASTA Electrical Specification

Frequency Range(MHz):	3×698-960(R1)				6×1710-2690 (Y1,Y2)			
	698-803	790-862	824-894	880-960	1710 -1990	1920 -2200	2200 -2490	2490 -2690
Average Gain by all Beam Tilts (dBi):	12.7	13.2	13.4	13.6	17.1	17.2	17.5	17.7
Gain by all Beam Tilts Tolerance(dB):	±0.6	±0.5	±0.3	±0.3	±0.8	±0.8	±0.8	±0.8
Average Gain by Beam Tilt (dBi):	0° 12.8	0° 13.4	0° 13.5	0° 13.7	0° 17.2	0° 17.3	0° 17.6	0° 17.8
	5° 12.7	5° 13.2	5° 13.4	5° 13.6	5° 17.1	5° 17.2	5° 17.5	5° 17.7
	10° 12.5	10° 13.0	10° 13.2	10° 13.5	10° 17.0	10° 17.1	10° 17.3	10° 17.6
Horizontal Beamwidth Tolerance(°):	±7.4	±3.2	±9.0	±3.1	±7.1	±10.8	±3.1	±8.7
Vertical Beamwidth Tolerance(°):	±1.3	±1.0	±2.9	±1.9	±0.7	±0.5	±0.3	±0.4
1 st Upper Sidelobe Suppression (dB):	18.6	18.6	16.6	17.9	18.2	18.5	16.8	17.0
Front to back Ratio at 180° ± 30°(dB)	25.5	24.4	24.0	24.0	21.8	23.6	27.5	21.6
CPR at Boresight(dB):	16.9	19.8	20.4	20.3	20.5	24.8	25.1	20.4

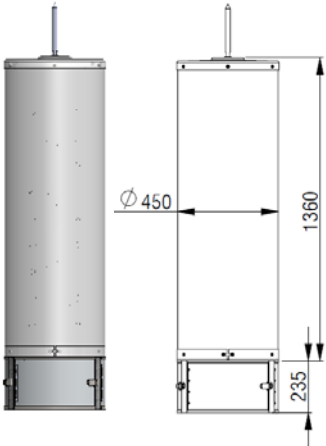
Product Data Sheet

3UL2OX305.10P3-V2-C



Mechanical Data

Antenna Dimensions (mm):	Φ450(Diameter)×1360(Length, mounting base excluded)
Packing Dimensions (mm):	1810(Length)×580(Width)×700(Height)
Antenna Net Weight (kg):	74
Antenna Gross Weight (kg):	115
Radome Material:	Fiberglass
Mounting Kits (Included):	Flange Mounted



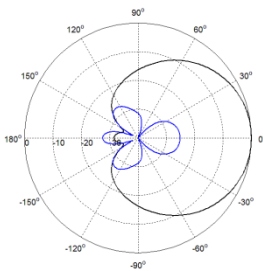
Environmental Ratings

Humidity:	95%RH@+30℃
Temperature (℃):	-40～+70
Wind Load @150 km/h (N):	573
Max. Wind Velocity(km/h):	200

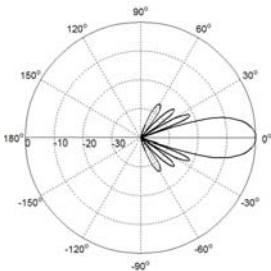
Internal RET Specifications

RET type:	Integrated RET
RET protocol:	AISG 2.0 /3 GPP
Input voltage range(V):	10-30 DC
Power consumption(W):	< 5 (motor activated , single RET) < 1 (stand by, single RET), < 1.5 (stand by, 12V)
Adjustment time (full range) (s):	< 120 (typically, depending on antenna type)
RET connector:	1 pair of AISG 8 pin male & female
Pin assignment according AISG:	8 pin circular connector conforming to IEC 60130-9 - Ed. 3.0
Lightning protection (kA):	5 (8/20 μs Differential mode), 8 (8/20 μs Common mode)

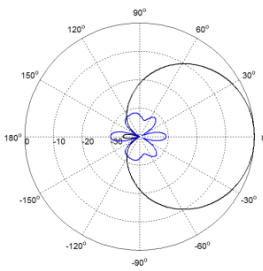
Typical Patterns



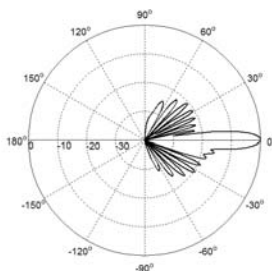
Azimuth(Low band)



Elevation(Low band)



Azimuth(High band)



Elevation(High band)

